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SEVENTEENTH ANNUAL REPORT

of the

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North Carolina Sanatorium *for the Treatment of Tuberculosis*

SANATORIUM, N. C.



FOR THE PERIOD

From July 1, 1929, to June 30, 1930

SEVENTEENTH ANNUAL REPORT

of the


North Carolina Sanatorium
for the Treatment of Tuberculosis

SANATORIUM, N. C.



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PERSONNEL

BOARD OF DIRECTORS

DR. T. W. M. LONG, <i>Chairman</i>	Roanoke Rapids
MR. U. L. SPENCE, <i>Vice-Chairman</i>	Carthage
MR. W. E. HARRISON, <i>Secretary</i>	Rockingham
DR. D. R. PERRY.....	Durham
MR. J. R. JONES.....	Sanford
MR. JONAS OETTINGER.....	Wilson
MR. STAHLÉ LINN.....	Salisbury
MRS. MAX T. PAYNE.....	Greensboro
MR. J. R. McQUEEN.....	Lakeview

Superintendent and Medical Director.....	P. P. McCAIN, M.D.
Assistant Superintendent and Resident Physician.....	S. M. BITTINGER, M.D.
Assistant Physician.....	J. H. WILLIAMS, M.D.
Assistant Physician.....	W. G. BYERLY, M.D.
Assistant Physician.....	J. S. HOOKER, M.D.
Superintendent of Nurses.....	MISS OLIVIA RANEY, R.N.
Assistant Superintendent of Nurses.....	MISS SUE BURTON
Dentist.....	L. V. HENDERSON, D.D.S.
Laboratory and X-Ray Technician.....	H. B. MORGAN
Cashier and Purchasing Officer.....	F. L. EUBANKS
Steward.....	J. B. WOMBLE
Farm Superintendent.....	E. B. GARRETT
Chief Engineer.....	M. E. ROTHGEB
Superintendent of Nurses, Colored Division.....	CARRIE BROADFOOT

EXTENSION DEPARTMENT OF THE NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

Director.....	P. P. McCAIN, M.D.
Clinic Physician.....	S. E. LEE, M.D.
Clinic Physician.....	P. A. YODER, M.D.
Clinic Physician.....	H. F. EASOM, M.D.
Clinic Physician.....	C. D. THOMAS, M.D.
Clinic Physician.....	W. F. THORNTON, M.D.

CONSULTING STAFF

Orthopedic Surgeon.....	DR. O. L. MILLER.....	Gastonia
Surgery.....	DR. GEO. W. PRESSLY.....	Charlotte
	DR. J. F. HIGHSMITH.....	Fayetteville
	DR. JULIAN A. MOORE.....	Asheville
Eye, Ear, Nose, and Throat.....	DR. JAMES M. LILLY.....	Fayetteville
	DR. WM. S. JORDAN.....	Fayetteville
	DR. W. P. McKAY.....	Fayetteville
Laryngologist.....	DR. J. B. GREENE.....	Asheville
Genito-Urinary.....	DR. A. J. CROWELL.....	Charlotte
	DR. J. D. HIGHSMITH.....	Fayetteville
Pathology.....	DR. JAMES B. BULLITT.....	Chapel Hill
Pharmacology.....	DR. WM. DEB. MACNIDER.....	Chapel Hill

LETTER OF TRANSMITTAL

To His Excellency,
GOVERNOR O. MAX GARDNER,
Raleigh, N. C.

SIR:—I have the honor to transmit herewith the report of the Superintendent of the operations of the North Carolina Sanatorium for the Treatment of Tuberculosis for the fiscal year ending June 30, 1930.

The report of the Superintendent is accepted as the report of the Board of Directors.

Respectfully submitted,

T. W. M. LONG,
Chairman, Board of Directors.

SEVENTEENTH ANNUAL REPORT
of
THE NORTH CAROLINA SANATORIUM
for the Treatment of Tuberculosis

DR. T. W. M. LONG, *Chairman, Board of Directors, North Carolina Sanatorium, Roanoke Rapids, N. C.*

DEAR DR. LONG:—Herewith is presented the Seventeenth Annual Report of the North Carolina Sanatorium for the Treatment of Tuberculosis, for the fiscal year closing June 30, 1930.

In the four divisions of the institution, Adult White, Children, Colored, and Prison, there were treated during the year 1,164 patients. Of this number 770 were discharged. In the body of the report will be found, under each division, tables giving detailed information about the discharged patients and various other information of interest. There is also a summary of the work of the Extension Department and of the Auditor's report.

The problem of operating a modern sanatorium is all the time becoming more complex. The application of pneumothorax treatment to a much larger percentage of cases than formerly, the present method of giving smaller and more frequent refills, the need of keeping all pneumothorax cases at complete rest in bed for the first few months after beginning treatment, the need of using heliotherapy and artificial light in selected cases, and the more recently demonstrated advantages to be obtained from chest surgery in many cases make it necessary for the modern sanatorium to have almost the same equipment that a general hospital has, and also make it necessary to have a larger medical and nursing staff in proportion to the number of patients than was formerly the case. We are now giving pneumothorax treatment to approximately 20 per cent of our adult patients, and we are also giving it to six patients between the ages of 12 and 17 years. In three adult cases during the year we have used a partial collapse in both sides at the same time. We are more and more convinced of the wisdom of beginning pneumothorax treatment early instead of using it as a last resort.

We are also taking advantage of the help which the surgeons can give us. Fifty cases have been operated upon for the exeresis of the phrenic nerve and one for thoracoplasty. The results have been distinctly beneficial in the great majority. The operations have been done by Dr. J. D. Highsmith of Fayetteville and

Dr. Julian A. Moore of Asheville, and most of them have been done in our own operating room and with our own nurses.

The large percentage of patients in the advanced stages of the disease which we still receive, in spite of all the efforts by National and local organizations to educate both the medical profession and the public in the importance of an early diagnosis, is discouraging. Of course there are various reasons for this, but probably the main reason is that tuberculosis in the early stage rarely causes symptoms sufficiently definite to make one feel sick enough to go to a physician. In order to discover cases early we feel that it is necessary to make periodic examinations of all people who have been closely exposed to tuberculosis. We are urging physicians, whenever they discover a case of tuberculosis in a family, to make a study of all of the other members as well as of the one who is sick. If all members of such families should have the tuberculin test, and if all the positive reactors should be examined, and if all adults whose symptoms and physical signs were suspicious should be x-rayed, the majority of cases could be discovered in the curable stage of the disease and before it would be infectious to others. We furnish the tuberculin free to all of the physicians in the State, and I am glad to report that several times as much tuberculin has been distributed this year as ever before.

The addition of another physician to our Extension Department staff has enabled us to further extend our outside clinic service for both adults and children. In our out-patients' diagnostic clinic here at the Sanatorium, which operates every day except Sunday, we examined 2,439 cases. In our field clinics most of our work in the summer is with adults and most of our time during the school session is devoted to children. During the year we gave the intracutaneous tuberculin test to 24,231 school children, practically all of them being from small towns and the rural districts where the percentage of positive reactors would naturally be relatively small. In the 39,494 children previously studied, a large percentage of which came from the larger cities of the State, 21.21 per cent gave a positive reaction. The percentage of positives for the 24,231 studied this year was only 12.07 per cent. Altogether we have tested 63,725 children with 17.73 per cent showing positive reactions. Complete physical examinations and double roentgenograms (PA and oblique) have been made on 9,650 of the positive reactors, and 9.16 per cent of the positive reactors, or 1.62 per cent of the total number tested, were diagnosed as having tuberculosis, the great majority of them being of the childhood type.

Most of the children heretofore studied have been between the ages of 6 and 15. Since so many teenage children develop the adult type of tuberculosis, we are going to extend our clinic service this year to all the high school grades.

There were a number of changes in our staff during the year. For the additional physician for our Extension Department we were fortunate to secure Dr. H. F. Easom of North Carolina, who had spent one summer with us as an interne, and who, following his general hospital internship, had been specializing in tuberculosis. Last fall Dr. P. A. Yoder of our Extension staff was elected Superintendent of the new Forsyth County Sanatorium, and during the winter Dr. S. E. Lee, also of our Extension staff, was elected Superintendent of the new Greenville County, South Carolina, Sanatorium. Their promotions were well deserved. They had been with us for several years and they had not only made enviable reputations for themselves, but both they and their wives had also endeared themselves to the hearts of the whole Sanatorium family. It required a few months to find suitable successors to them, but we were fortunate to secure Dr. C. D. Thomas of Indiana and Dr. W. F. Thornton of Texas, both of whom have had some years experience in tuberculosis work.

On our Resident staff the position made vacant by Dr. A. E. Morgan, who left the first of the year to do general hospital work, was filled by Dr. J. S. Hooker of North Carolina, who has had several years experience as health officer and in private practice.

During the fall also Miss Elizabeth Connolly, who had for years been our efficient Superintendent of Nurses and to whom we are all devoted, was promoted to the position of Superintendent of the Catawba County Hospital. Miss Olivia Raney of Chapel Hill was elected to take her position.

Dr. S. M. Bittinger, the Assistant Superintendent and Resident Physician, and Drs. J. H. Williams and W. G. Byerly have been with us for several years, and I am especially indebted to them for their efficiency and their splendid coöperation.

During the year we have replaced our dairy herd with a registered Ayrshire herd, which was tested before purchase, both for tuberculosis and for contagious abortion, in order to assure us an abundant milk supply, which is quite important. We need twelve to fifteen additional cows, which we hope to be able to purchase the coming year.

Our poultry plant has had a good year. Beginning the first of January our plant has furnished broilers twice each week for all of our patients and employes. It also produced a large proportion of our eggs. We are in need of an additional incubator

for 2,300 eggs and for laying houses for 1,000 additional hens. With these additions we could, with the same overhead, produce all of our eggs and practically all of our poultry for table purposes.

The installation of the underground tunnel and the new steam and water lines which were completed last fall has made possible a more economical and also more efficient operation of our mechanical plant. Now that we can use exhaust steam for heating our buildings, it is much more economical for us to make our own electric current during the months when the heating of our buildings is necessary.

All of our electrical wiring and equipment have been overhauled and the installation made to conform to the National Electrical Code, and the remainder of the light and power lines around our main building have been put underground. These improvements have also resulted in more economical plant operation and in reducing both light and fire hazards.

A deep well, contracted for with the Fairbanks-Morse Company upon a guarantee of 200,000 gallons daily, to supplement our present water supply, was a total failure. This was to be used in place of building a new dam on Mile Branch. Fortunately we have had a sufficient water supply from Mountain Creek, since we have not been affected by the drought to anything like the same extent as most sections of the country. A protracted drought, however, would bring about a shortage. We have asked the Engineering Department of the State Board of Health to complete plans for making available a supplementary supply from Mile Branch, so that it could be obtained without delay in case it should become necessary.

Last winter we installed a broadcasting unit in our auditorium which has made it possible for all of our bed patients to enjoy, through their head phones, all the entertainments, concerts, lectures, and religious services which are held in the auditorium. The money for the purchase of this equipment was contributed by many generous friends.

We are greatly indebted to the good ladies of Pinehurst for furnishing a most generous Christmas treat for each one of our more than 400 patients. We also greatly appreciate the many flowers, books, and other gifts, and the entertainments which have been furnished by our friends throughout the State.

The Charlotte Film Board of Trade, which for a number of years has been furnishing us weekly programs free of charge, have notified us that the silent films will shortly be no longer available, but that they will be glad to furnish us "talkies" with-

out charge if we will install the necessary equipment. To our patients, shut in as they are for many. many months, the movies mean so much that we are greatly in hopes that we will be permitted to purchase this new machine.

In closing I wish to express to you and all the other members of the Board my deep sense of gratitude for your splendid service to our institution and the State, and for the kind consideration and support which you have given me.

Respectfully,

P. P. MCCAIN,

Superintendent and Director of the Extension Department.

SUMMARY OF YEAR'S WORK

JULY 1, 1929—JUNE 30, 1930

EXTENSION DEPARTMENT

Letters and postals received.....	19,757
Individual letters written.....	13,964
Mimeograph forms prepared.....	39
Number of copies mimeographed.....	59,795
Mimeographed letters mailed.....	578
Articles written (approximate number of words):	
Press.....	6,280
Sanatorium Sun	255,200
	<hr/>
	261,480
Copies Sanatorium Sun mailed.....	38,800
Articles copied (approximate number of words).....	18,250
Patients' histories written.....	741
Approximate number of words in patients' histories.....	1,111,500
Envelopes addressed	22,032
Enclosures sent out.....	24,609
Blank cards mailed for reporting cases of tuberculosis.....	8,240
Number of cases reported:	
White	1,740
Colored.....	1,118
	<hr/>
	2,858
Literature sent to reported cases.....	3,289
Other literature sent.....	48,487
Sputum cups distributed.....	226,800
Tuberculin sent physicians for von Pirquet test.....	2,648
X-ray films sent in for interpretation.....	229
Report of phrenic operations.....	50

REPORT OF P. P. McCain, M.D.

Days out of office.....	35
Addresses delivered	13
Number in audiences.....	2,200

REPORT OF ADULT TUBERCULOSIS CLINICS

S. E. LEE, M.D., *Clinic Physician*

Number of addresses delivered.....	2
Total audiences.....	45
Number of positive cases.....	97
Number of probable cases.....	83
Number of doubtful cases.....	36
Number of negative cases.....	317
	533
Number of white examinations.....	518
Number of colored examinations.....	15
Total number of examinations.....	533

P. A. YODER, M.D., *Clinic Physician*

Number of addresses delivered.....	3
Total audience.....	85
Number of positive cases.....	112
Number of probable cases.....	37
Number of doubtful cases.....	52
Number of negative cases.....	284
	485
Number of white examinations.....	448
Number of colored examinations.....	37
Total number of examinations.....	485

H. F. EASOM, M.D., *Clinic Physician*

Number of addresses delivered.....	3
Total audience.....	85
Number of positive cases.....	71
Number of probable cases.....	20
Number of doubtful cases.....	60
Number of negative cases.....	278
	429
Number of white examinations.....	334
Number of colored examinations.....	95
Total number of examinations.....	429

C. D. THOMAS, M.D., *Clinic Physician*

Number of addresses delivered.....	3
Total audience.....	565
Number of positive cases.....	21
Number of probable cases.....	9
Number of doubtful cases.....	20
Number of negative cases.....	136
	186
Number of white examinations.....	141
Number of colored examinations.....	45
Total number of examinations.....	186

W. F. THORNTON, M.D., *Clinic Physician*

Number of addresses delivered.....	0
Total audience.....	0
Number of positive cases.....	48
Number of probable cases.....	13
Number of doubtful cases.....	27
Number of negative cases.....	160
	248
Number of white examinations.....	223
Number of colored examinations.....	25
Total number of examinations.....	248

REPORT OF CHILDREN'S TUBERCULOSIS CLINICS

RESULTS OF SCHOOL CHILDREN'S TUBERCULOSIS CLINICS CONDUCTED BY THE EXTENSION DEPARTMENT
OF THE NORTH CAROLINA SANATORIUM, IN COOPERATION WITH LOCAL HEALTH AND
SCHOOL AUTHORITIES DURING SCHOOL SESSION, 1929-30

RESULTS OF TUBERCULIN TEST (Intracutaneous)

	White	Colored	Total
Number given tuberculin test.....	22,095	2,136	24,231
Number positive reactors.....	2,610 (11.81%)	314 (14.7%)	2,924 (12.07%)

RESULTS OF THE STUDY OF THE 2,924 POSITIVE TUBERCULIN REACTORS

	% of the 2,924 tuberculin reactors	% of the 2,924 reactors tested
Number having physical examinations and X-rays of chest (postero-anterior and oblique).....	2,552	13.4 1.62
Number diagnosed as having tuberculosis.....	392	
White, 336 (1.52% of 22,095 tested; 12.86% of 2,610 reactors)		
Colored, 56 (2.67% of 2,136 tested; 17.86% of 314 reactors)		
Childhood type.....	343	
Childhood and adult type (parenchymal).....	19	
Adult type (parenchymal).....	28	
Extrapulmonary.....	1	
Extrapulmonary and childhood type.....	1	

Number of reactors classified as suspicious.....	283	9.68 1.17
Number classified as not tuberculous.....	1,877	64.19 95.67
Total number classified as not tuberculous (1,877 plus 21,307 negative tuberculin reactors).....	23,184	
Number reactors either X-rayed or examined, but study not fully completed, the majority having mild reactions and presumably not tuberculous.....	323	11.05 1.34
Number reactors for various reasons not examined or X-rayed.....	49	1.68 0.20

SUMMARY OF RESULTS OF SCHOOL CHILDREN'S TUBERCULOSIS CLINICS CONDUCTED BY THE EXTENSION
DEPARTMENT OF THE NORTH CAROLINA SANATORIUM, IN COOPERATION WITH LOCAL HEALTH
AND SCHOOL AUTHORITIES, DURING SCHOOL SESSIONS 1926-27, 1927-28, 1928-29, 1929-30

RESULTS OF TUBERCULIN TEST
(Intracutaneous)

	White	Colored	Total
Number given tuberculin test.....	56,333	7,392	63,725
Number positive reactors.....	9,834 (17.63 %)	1,467 (19.85 %)	11,301 (17.73 %)

RESULTS OF THE STUDY OF THE 11,301 POSITIVE TUBERCULIN REACTORS

Number reactors having physical examinations and X-rays of chest (postero-anterior and oblique).....	9,650	% of the 11,301 tuberculin reactors	9.16	% of the 63,725 tested	1.63
Number reactors diagnosed as having tuberculosis.....	1,035				
White, 845 (1.5 % of 56,333 tested; 8.06 % of 9,834 positive reactors)					
Colored, 190 (2.57 % of 7,392 tested; 12.95 % of 1,467 positive reactors)					
Childhood type.....	922				
Childhood and adult type (parenchymal).....	24				
Adult type (parenchymal).....	68				
Extrapulmonary.....	17				
Extrapulmonary and childhood type.....	4				
Number reactors classified as suspicious.....	1,232			10.9	1.93
Number reactors classified as not tuberculous.....	7,383			65.33	
Total number classified as not tuberculous (7,383 plus 52,424 negative tuberculin reactors).....				59,807	93.85
Number reactors either examined or X-rayed, but study not fully completed, the majority having mild reactions and presumably not tuberculous.....				1,070	1.68
Number of reactors for various reasons not X-rayed or examined.....				581	0.91

WHITE DIVISION

MEDICAL REPORT

1930

STATISTICAL

Number of patients to be reported on.....	424
Number not classified.....	2
Number not tuberculous	66
Number of patients in Sanatorium July 1, 1930.....	230
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Total number of patients treated during the twelve months....	722
Hospital days	90,366

56 PATIENTS WHO STAYED LESS THAN THIRTY DAYS

CONDITION ON ADMISSION		CONDITION ON DISCHARGE				
		Apparently Arrested	Quiescent	Improved	Unimproved	Died
Minimal	A 10			10		
	B 3			3		
	C 0					
Moderately Advanced	A 2			2		
	B 12			8	4	
	C 0					
Far Advanced	A 1			1		
	B 11			4	7	
	C 19			3	14	2
Total	58					

Total number of days, 945. Average stay, 16.36. Longest stay, 29. Shortest stay, 2.

Number gained weight, 29		Number lost weight, 19	
Average gain	3.42 lbs.	Average loss	1.8 lbs.
Largest gain	8 lbs.	Largest loss	4 lbs.
Smallest gain5 lb.	Smallest loss5 lb.
Stationary	1	Not weighed	9

67 PATIENTS WHO STAYED FROM THIRTY TO EIGHTY-NINE DAYS

CONDITION ON ADMISSION		CONDITION ON DISCHARGE				
		Apparently Arrested	Quiescent	Improved	Unimproved	Died
Minimal	A 14		7	7		
	B 5		3	2		
	C 0					
Moderately Advanced	A 3			3		
	B 11		4	7		
	C 1			1		
Far Advanced	A 0					
	B 17			15	1	1
	C 15			4	11	
Childhood type Tuberculosis	1	1				
Total	67					

Total number of days, 4,068. Average stay, 60.71. Longest stay, 89. Shortest stay, 30.

Number gained weight, 49		Number lost weight, 15	
Average gain	8.36 lbs.	Average loss	3.07 lbs.
Largest gain	18.5 lbs.	Largest loss	8 lbs.
Smallest gain	1.5 lbs.	Smallest loss5 lb.
Stationary	0	Not weighed	3

299 PATIENTS WHO STAYED NINETY DAYS OR OVER

CONDITION ON ADMISSION		CONDITION ON DISCHARGE				
		Apparently Arrested	Quiescent	Improved	Unimproved	Died
Minimal.....	42	A 29	25	3	1	
		B 13	11	1	1	
		C 0				
Moderately Advanced.....	141	A 21		15	6	
		B 117	1	60	50	6
		C 3		1	2	
Far Advanced....	107	A 4		3	1	
		B 71		11	48	11
		C 32		10	15	7
Extrapulmonary	1		1			
Childhood type....	8	8				
Total.....	299					

Total number of days, 73,927. Average stay, 247.21. Longest stay, 1,321. Shortest stay, 90.

Number gained weight, 243		Number lost weight, 48	
Average gain.....	13.40 lbs.	Average loss.....	7.16 lbs.
Largest gain.....	38.5 lbs.	Largest loss.....	25 lbs.
Smallest gain.....	.5 lb.	Smallest loss.....	1 lb.
Stationary	7	Not weighed.....	1

HISTORY OF HEMORRHAGE

Negative.....		242
Positive.....	{ Previous only.....	157
	{ Previous and during residence.....	15
	{ During residence only.....	10

RESULTS OF SPUTUM EXAMINATIONS

Negative or no sputum.....	213	
Positive.....	{ On admission.....	154
	{ During residence.....	163
	{ On discharge.....	83

SEX, AGE, AND CIVIL CONDITION

SEX	AGE						CIVIL CONDITION			
	12-19	20-29	30-39	40-49	50-59	60-70	Single	Married	Widowed	Divorced
Male.....178										
Female246	53	163	115	58	26	9	163	228	29	4
Total.....424										

Nationality: Americans, 423; Syrian, 1.

TUBERCULOUS COMPLICATIONS

Adenitis (tracheobronchial)	12	Peritonitis.....	2
Adenitis (cervical).....	8	Pericarditis with effusion	1
Anal fistula.....	8	Pharyngitis.....	2
Enteritis.....	30	Pleurisy with effusion	14
Ischiorectal abscess	1	Pneumothorax (spontaneous) ..	2
Hydro-pneumothorax	1	Spinal meningitis.....	1
Laryngitis.....	45	Spondylitis	2
Osteitis (fibula).....	1	Tuberculosis of hip (latent)....	2
Otitis media.....	2		

NON-TUBERCULOUS COMPLICATIONS

Abscess (axillary)	1	Impaired vision.....	1
Abscessed teeth	7	Laceration of cervix.....	8
Anal fissure.....	3	Laceration of perineum.....	12
Ankylosis.....	3	Lipoma (axilla).....	1
Anemia (secondary)	8	Lipoma (chest wall).....	2
Appendicitis	2	Menopause.....	2
Arteriosclerosis.....	4	Menorrhagia	1
Artificial menopause.....	1	Migraine	1
Arthritis	5	Mitral regurgitation.....	9
Asthma (bronchial).....	2	Myalgia	1
Atrophy of testicle.....	2	Myocarditis	2
Atrophy of lower extremity.....	1	Nephritis.....	6
Blepharitis	2	Orchitis (traumatic)	1
Blindness (traumatic).....	2	Otitis media	12
Bronchiectasis.....	8	Nasopharyngitis	1
Bronchitis	6	Pellagra.....	3
Carcinoma (cervix uteri).....	1	Pelvic cellulitis.....	4
Carious teeth	72	Perforated nasal septum.....	1
Cholecystitis	2	Pregnancy.....	2
Deafness (partial).....	2	Psoriasis	1
Dysmenorrhea.....	3	Pyelitis	1
Diabetes mellitus.....	1	Pyorrhea.....	108
Duodenal ulcer.....	1	Retroflexion of uterus.....	3
Endocervicitis.....	1	Retroversion of uterus.....	9
Erosion of cervix.....	2	Rhinitis (atrophic)	1
Fistula (vesico-vaginal)	1	Rhinitis (chronic).....	21
Gastric neurosis	1	Scabies.....	1
Gingivitis.....	1	Scoliosis of dorsal spine.....	1
Goiter (adolescent).....	1	Sinusitis.....	8
Goiter (cystic).....	1	Strabismus.....	1
Goiter (simple)	5	Tania versicola.....	1
Hemiplegia	1	Tonsillitis	60
Hemorrhoids.....	9	Ulcer nasal septum.....	1
Hernia.....	6	Uterine fibroid	1
Hookworm	26	Varicocele	1
Hypertension.....	4	Varicose veins.....	6

OCCUPATIONS

Accountant	2	Clerical	2
Advertising.....	1	Clerk of Court	1
Architect	1	Clerks	15
Auto Dealer.....	1	Cobbler	2
Baker.....	1	Contractor.....	1
Barber.....	1	Cook	1
Bookkeeper.....	8	Dairyman.....	1
Cashier in Bank.....	1	Dentist.....	1
Chair Factory.....	2	Dressmaker.....	1
Civil Engineer.....	2	Drug Clerk	1

Druggist	3	Postmaster	1
Electrician	3	Postoffice Clerk	1
Engineer	3	Printer	1
Farmer	38	Railroad Agent	1
Filling Station	2	Salesman	7
Fireman	1	Sanitary Inspector	1
Furniture Factory	2	Sawmill	2
Hosiery Mill	1	Seamstress	1
Housewives	153	Sheet Metal	2
Insurance	5	Sign Painter	1
Jeweler	1	Stenographer	7
Laboratory Technician	1	Students	39
Laborer	1	Superintendent County Welfare	1
Laundry	1	Superintendent of Schools	1
Lodgekeeper	1	Tax Collector	1
Machinists	3	Teachers	17
Mechanic	1	Telephone Operator	4
Mail Carrier	2	Textile	18
Manager Dry Cleaning Plant	1	Tobacco Factory	5
Merchants	7	Treasurer (Textile Mill)	1
Mill Work	20	Truck Driver	1
Missionary Work	1	Typist	1
Nurses	5	Undertaker	1
Nurses (Registered)	3	Window Cleaner	1
Overall Factory	1	Woodworker	1
Physician	1		

COUNTIES FROM WHICH THE 530 PATIENTS CAME

(White and Colored)

Alamance	18	Gaston	20
Alexander	2	Gates	1
Alleghany	2	Granville	9
Anson	5	Greene	1
Ashe	2	Guilford	4
Beaufort	4	Halifax	10
Bertie	2	Harnett	5
Bladen	1	Haywood	1
Brunswick	1	Henderson	1
Buncombe	9	Hertford	1
Burke	4	Hoke	9
Cabarrus	10	Hyde	2
Caldwell	6	Iredell	10
Carteret	4	Johnston	8
Caswell	3	Lee	4
Catawba	10	Lenoir	8
Chatham	2	Lincoln	4
Cherokee	4	Madison	1
Chowan	2	Martin	4
Cleveland	4	McDowell	2
Columbus	1	Mitchell	2
Craven	6	Montgomery	3
Cumberland	13	Moore	7
Currituck	9	Nash	2
Dare	2	New Hanover	4
Davidson	8	Northampton	7
Davie	1	Onslow	1
Duplin	4	Orange	6
Durham	30	Pasquotank	6
Edgecombe	6	Pender	2
Forsyth	20	Person	6
Franklin	5	Pitt	19

Polk.....	2	Surry.....	19
Randolph.....	4	Transylvania.....	1
Richmond.....	15	Union.....	4
Robeson.....	12	Vance.....	2
Rockingham.....	13	Wake.....	19
Rowan.....	8	Warren.....	2
Rutherford.....	5	Wayne.....	10
Sampson.....	8	Wilkes.....	2
Scotland.....	5	Wilson.....	11
Stanly.....	8	Yadkin.....	4
Stokes.....	5	Yancey.....	1

TOWNS FROM WHICH THE 530 PATIENTS CAME

(White and Colored)

Aberdeen.....	1	Cramerton.....	2
Addor.....	1	Creedmoor.....	1
Albemarle.....	3	Dobson.....	1
Andrews.....	2	Draper.....	2
Ansonville.....	1	Drum Hill.....	1
Asheboro.....	3	Dundarrach.....	1
Asheville.....	5	Dunn.....	5
Ashford.....	1	Durham.....	29
Atlantic.....	1	East Bend.....	1
Aulander.....	1	Edenton.....	2
Autryville.....	1	Elams.....	1
Ayden.....	1	Elizabeth City.....	6
Badin.....	1	Elkin.....	7
Bahama.....	1	Ellerbe.....	2
Barco.....	1	Elm City.....	1
Belmont.....	3	Elon College.....	1
Benson.....	2	Enfield.....	2
Black Mountain.....	1	Engelhard.....	1
Bladenboro.....	1	Everetts.....	1
Boonville.....	1	Falkland.....	1
Broadway.....	1	Farmville.....	6
Buies.....	1	Fayetteville.....	8
Bullock.....	1	Forest City.....	1
Burgaw.....	1	Fountain.....	1
Burlington.....	8	Francisco.....	2
Burnsville.....	1	Franklinton.....	2
Cameron.....	1	Gastonia.....	9
Candler.....	1	Gibson.....	1
Canton.....	1	Glen Raven.....	1
Cary.....	1	Godwin.....	1
Catawba.....	1	Gold Hill.....	1
Cedar Creek.....	1	Goldsboro.....	9
Cedar Grove.....	1	Goodsonville.....	1
Chadbourn.....	1	Graham.....	2
Chapel Hill.....	3	Grandy.....	1
Cherryville.....	2	Granite Quarry.....	1
China Grove.....	1	Grassy Creek.....	1
Claremont.....	1	Greensboro.....	3
Clayton.....	2	Greenville.....	9
Cliffside.....	1	Halifax.....	1
Clinton.....	4	Hamilton.....	1
Colerain.....	1	Hamlet.....	3
Collington.....	1	Hamptonville.....	1
Concord.....	5	Harrisburg.....	1
Conover.....	1	Hatteras.....	1
Conway.....	2	Henderson.....	1
Corinth.....	1	Hendersonville.....	1

Hickory	6	Pinetown	1
Hillsboro	1	Pinnacle	2
Hope Mills	1	Pleasant Hill	1
Jamestown	1	Potecasi	1
Kannapolis	3	Powell's Point	2
Kenansville	1	Princeton	2
Kinston	7	Raeford	8
Kittrell	1	Raleigh	16
La Grange	1	Ramseur	1
Lake Landing	1	Red Springs	2
Laurinburg	4	Reidsville	5
Leaksville	1	Richfield	1
Leasburg	1	Richland	1
Leechville	1	Rockingham	9
Leicester	1	Rocky Mount	5
Lenoir	6	Roseboro	1
Lexington	3	Rosemary	2
Lilesville	1	Round Peak	1
Lincolnton	3	Roxboro	4
Linden	1	Ruffin	1
Little Switzerland	1	Rusk	1
Littleton	1	Salemburg	2
Louisburg	3	Salisbury	5
Lowell	1	Sanatorium	1
Lumberton	2	Sanford	3
Lynn	1	Saxapahaw	2
Magnolia	2	Scotland Neck	3
Mangum	1	Scotts	1
Marble	1	Seaboard	1
Margarettsville	1	Selma	1
Marshall	1	Semora	1
Maxton	4	Shawboro	1
Meadows	1	Shelby	4
Mebane	4	Shoals	1
Misenheimer	1	Siler City	1
Mocksville	1	Sims	2
Monroe	4	Smithfield	1
Moore'sville	4	Southern Pines	2
Morehead City	3	Sparta	2
Morganton	3	Spindale	3
Morven	1	Spray	4
Moyock	1	Spring Hope	1
Mount Airy	3	Stanfield	1
Mount Gilead	1	Stantonsburg	2
Mount Holly	3	Statesville	4
Mount Mitchell	1	St. Paul	2
Mount Olive	1	State Road	1
Mount Pleasant	1	Tarboro	1
Murfreesboro	1	Taylorsville	2
Nebo	1	Teer	1
New Bern	4	Thelma	1
New London	1	Thomasville	5
Newton	1	Timberlake	1
Neuse	1	Toxaway	1
Norlina	1	Troy	2
Northside	1	Tryon	1
North Wilkesboro	1	Turnersburg	1
Oxford	6	Tuscarora	1
Pelham	1	Unaka	1
Phoenix	2	Valdese	1
Pilot Mountain	2	Vanceboro	1
Pinehurst	1	Vass	1

Wade	1	Whitakers	1
Wadesboro	2	Williamston	2
Wake Forest	1	Wilmington	4
Wallace	1	Wilson	6
Walstonburg	1	Winston-Salem	20
Warrensville	1	Winterville	1
Washington	2	Woodland	1
Water Lily	1	Woodleigh	1
Watha	1	Woodsdale	1
Weaversville	1	Yadkinville	1
Westfield	3		

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

	White	Colored	Prisoners	Total
July	191	11	12	
August	253	11	6	
September	232	12	15	
October	190	16	7	
November	126	3	8	
December	120	12	7	
January	135	13	18	
February	176	11	10	
March	87	5	8	
April	209	11	9	
May	289	22	14	
June	173	9	8	

CLASSIFICATION

Positive diagnosis	380	70	52	
Negative diagnosis	1,261	51	65	
Reexaminations	540	15	5	
Total examinations	2,181	136	122	2,439

SUMMARY OF MEDICAL REPORT

JULY 1, 1929—JUNE 30, 1930

Patients admitted:			
Minimal			64
Moderately advanced			159
Far advanced			176
Not tuberculous			55
Not classified			11
Extrapulmonary			1
Childhood type			2
Total			468
Patients discharged:			
Apparently arrested			46
Quiescent			106
Improved			191
Unimproved			70
Died			11
Total			424

REPORT OF X-RAY LABORATORY

	White	Colored	Prisoners	Total
Stereoroentgenograms of chest (Sanatorium patients).....	854	132	55	
Stereoroentgenograms of chest (Sanatorium clinic patients).....	1,036	42	42	
Double roentgenograms of chest (children's clinics).....	3,223	248	0	
Roentgenograms, other parts of body.....	226	14	7	
Total.....	5,339	436	104	5,879
X-ray treatments.....	114	38	25	177
LABORATORY REPORT				
Sputanalyses:				
Micro.....	3,266	675	394	
Chem.....	948	223	160	
Total.....	4,214	898	554	5,666
Urinalyses:				
Micro.....	923	149	64	
Chem.....	1,078	149	64	
Total.....	2,001	298	128	2,427
Blood:				
W. B. C.....	762	138	66	
R. B. C.....	669	132	66	
Hemoglobin.....	667	131	66	
Color index.....	667	131	66	
Differential count.....	754	137	66	
Kahn tests.....	416	95	33	
Wassermann.....	230	107	44	
Malaria.....	13	2	0	
Urea.....	26	0	0	
Sugar.....	23	0	0	
Culture.....	3	0	0	
Van den Berg.....	1	1	0	
Gmelin.....	1	0	0	
Undulant fever.....	0	3	3	
Total.....	4,232	877	410	5,519
Feces.....	688	118	60	
Phthalein.....	25	0	0	
Gastric.....	40	1	0	
Pleural fluid.....	37	1	0	
Basal metabolic rate.....	29	2	0	
Bacteriological.....	119	26	0	
Spinal fluid.....	4	0	0	
Pericardial fluid.....	1	0	0	
Total.....	943	148	60	1,151
Water:				
For coli.....	171			
Bacterial count.....	173			
Total.....				344
Milk:				
For coli.....	33			
Bacterial count.....	32			
Total.....				65
Total examinations and tests.....				15,172

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

American Red Cross, Fayetteville.....	6
Associated Charities, Statesville.....	1
Board of County Commissioners, Alamance.....	1
Board of County Commissioners, Bladen.....	1
Board of County Commissioners, Brunswick.....	1
Board of County Commissioners, Buncombe.....	1
Board of County Commissioners, Catawba.....	4
Board of County Commissioners, Craven.....	1
Board of County Commissioners, Currituck.....	7
Board of County Commissioners, Forsyth.....	9
Board of County Commissioners, Gaston.....	10
Board of County Commissioners, Gates.....	1
Board of County Commissioners, Harnett.....	4
Board of County Commissioners, Hertford.....	1
Board of County Commissioners, Hoke.....	1
Board of County Commissioners, Lenoir.....	1
Board of County Commissioners, Mitchell.....	1
Board of County Commissioners, Pasquotank.....	4
Board of County Commissioners, Pender.....	1
Board of County Commissioners, Richmond.....	1
Board of County Commissioners, Rockingham.....	3
Board of County Commissioners, Stokes.....	1
Board of County Commissioners, Surry.....	3
Board of County Commissioners, Union.....	2
Charity Organization Society, Goldsboro.....	4
Children's Home, Winston-Salem.....	7
Helping Hand, Tryon.....	1
I. O. O. F. Home, Goldsboro.....	1
Mills Home, Thomasville.....	1
Mutual Aid Association, Draper Mills, Draper.....	8
Neuse Veneer and Box Company, New Bern.....	1
Public Welfare, Alamance.....	1
Public Welfare, Burke.....	1
Public Welfare, Davidson.....	1
Public Welfare, Durham.....	8
Public Welfare, Pitt.....	1
Public Welfare, Richmond.....	2
Public Welfare, Rockingham.....	5
Rosemary Manufacturing Company, Rosemary.....	1
Salisbury Cotton Mill, Salisbury.....	1
Superintendent of Schools, Graham.....	1
Tuberculosis Association, Concord.....	6
Tuberculosis Seal Sale Committee, coöperating with the Woman's Club, Raleigh.....	4

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and magazines:

Mrs. M. Weil, Goldsboro, N. C.
Miss Anne Wilson Mebane, Thomasville, N. C.
Mrs. I. H. Shaefer, Southern Pines, N. C.
Miss Theresa Dansdill, Washington, D. C.

Candies, cakes, nuts, fruits, flowers, etc.:

St. Anne's Auxiliary of the Good Shepherd Church, Raleigh, N. C.
Raeford Woman's Club, Raeford, N. C.

Miscellaneous gifts:

Primary Department, The Church of the Covenant, Wilmington, N. C.
Junior Red Cross Club, Goldsboro, N. C.
Miss Lulu Martha Davidson, Orlando, Fla.
Red Cross, Fayetteville, N. C.
Methodist Sunday School, Aberdeen, N. C.
Baptist Sunday School for Girls' Auxiliary, Aberdeen, N. C.
Baptist Sunday School, Raeford, N. C.
Methodist Sunday School, Raeford, N. C.
St. Anne's Guild, Raleigh, N. C.
Mrs. W. B. Merrill, Pinehurst, N. C.
Mrs. G. M. Howard, Pinehurst, N. C.

Victrola records:

Mrs. O. H. Longest, Greensboro, N. C.
The Brunswick-Balke-Collender Co., Chicago, Ill.

Cash donations:

Pittsboro Woman's Club, Pittsboro, N. C.
Miss Janette H. Baxter, Seattle, Washington.
Beaufort Community Club, Beaufort, N. C.
Business and Professional Club, Brevard, N. C.
The Rotary Club, Durham, N. C.
Rotary Club and friends from Goldsboro, N. C.
Business and Professional Women's Club, Wilson, N. C.
Business and Professional Women's Club, Statesville, N. C.
Col. Fred A. Olds, Raleigh, N. C.

CHILDREN'S DIVISION

MEDICAL REPORT

1930

STATISTICAL

Number of patients to be reported on.....	87
Number not classified.....	1
Number not tuberculous.....	3
Number of patients in Sanatorium July 1, 1930.....	68

Total number of patients treated during the 12 months.....	159
Hospital days.....	17,548

SUMMARY MEDICAL REPORT

Patients admitted:	
Adult type tuberculosis.....	31
Minimal.....	16
Moderately advanced.....	15
Childhood type.....	75
Not tuberculous.....	1
Not classified.....	1
Total.....	108

Patients discharged:	
Apparently arrested.....	76
Quiescent.....	7
Improved.....	4
Unimproved.....	0
Died.....	0
Total.....	87

SEX AND AGE

Sex:	
Male.....	39
Female.....	48
Age:	
4- 9.....	37
10-15.....	50
Total.....	87

TUBERCULOUS COMPLICATIONS

Cervical adenitis.....	8	Empyema.....	1
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NON-TUBERCULOUS COMPLICATIONS

Abdominal adhesions.....	1	Mitral regurgitation.....	1
Abscess (axillary).....	1	Nephritis.....	2
Abscessed tooth.....	1	Osteo-arthritis.....	1
Ascaris lumbricoides.....	3	Otitis media.....	2
Asthma (bronchial).....	1	Paranasal sinusitis.....	5
Bronchiectasis.....	3	Pediculosis capiti.....	2
Carious teeth.....	19	Perforated nasal septum.....	1
Dermatitis.....	1	Phimosis.....	5
Diseased adenoids.....	1	Ringworm.....	1
Diseased tonsils.....	40	Salpingitis (bilateral).....	1
Eczema.....	1	Strabismus.....	1
Glandular hypospadias.....	1	Ulcer middle turbinate.....	1
Hookworm disease.....	14	Undescended testicle.....	1
Impaired vision.....	2	Whipworm infection.....	1

COLORED DIVISION
MEDICAL REPORT
1930

STATISTICAL

Number of patients to be reported on.....	106
Number not classified.....	0
Number not tuberculous	8
Number of patients in Sanatorium July 1, 1930.....	64
<hr/>	
Total number of patients treated during the 12 months.....	178
Hospital days.....	21,152

10 PATIENTS WHO STAYED LESS THAN THIRTY DAYS

CONDITION ON ADMISSION		CONDITION ON DISCHARGE				
		Apparently Arrested	Quiescent	Improved	Unimproved	Died
Minimal	A 0					
	B 0					
	C 0					
Moderately Advanced.....	A 0					
	B 2				2	
	C 0					
Far Advanced.....	A 0					
	B 2			1	1	
	C 6				4	2
Total.....	10					

Total number of days, 203. Average stay, 20.3. Longest stay, 29. Shortest stay, 6.

Number gained weight, 5		Number lost weight, 5	
Average gain	2.8 lbs.	Average loss.....	3 lbs.
Largest gain.....	9 lbs.	Largest loss.....	4.25 lbs.
Smallest gain	1 lb.	Smallest loss	1 lb.
Stationary	0	Not weighed.....	0

26 PATIENTS WHO STAYED 30 TO 89 DAYS

CONDITION ON ADMISSION		CONDITION ON DISCHARGE				
		Apparently Arrested	Quiescent	Improved	Unimproved	Died
Minimal	A 2			2		
	B 0					
	C 0					
Moderately Advanced.....	A 2			1	1	
	B 3		1			2
	C 1				1	
Far Advanced.....	A 0					
	B 6			2	3	1
	C 10				8	2
Miliary Tuberculosis.....	1				1	
Childhood type.....	1			1		
Total.....	26					

Total number of days, 1,546. Average stay, 59.46. Longest stay, 89. Shortest stay, 33.

Number gained weight, 14		Number lost weight, 8	
Average gain	8.32 lbs.	Average loss.....	11.06 lbs.
Largest gain.....	27 lbs.	Largest loss	20.24 lbs.
Smallest gain	2 lbs.	Smallest loss	2 lbs.
Stationary	1	Not weighed	3

70 PATIENTS WHO STAYED 90 DAYS OR OVER

CONDITION ON ADMISSION		CONDITION ON DISCHARGE				
		Apparently Arrested	Quiescent	Improved	Unimproved	Died
Minimal	A 6	4	1		1	
	B 3	1		2		
	C 0					
Moderately Advanced.....	A 2		1	1		
	B 9	1	1	7		
	C 2			1	1	
Far Advanced.....	A 0					
	B 18	1		7	9	1
	C 23			7	11	5
Childhood type.....	5	3		2		
Extrapulmonary ..	2		1	1		
Total.....	70					

Total number of days, 15,362. Average stay, 219.46. Longest stay, 646. Shortest stay, 92.

Number gained weight, 52		Number lost weight, 17	
Average gain	15.78 lbs.	Average loss	9.40 lbs.
Largest gain	47.50 lbs.	Largest loss.....	25 lbs.
Smallest gain.....	1 lb.	Smallest loss	1 lb.
Stationary.....	1	Not weighed.....	0

HISTORY OF HEMORRHAGE

Negative.....		67
Positive.....	Previous only	26
	Previous and during residence.....	10
	During residence only.....	3

RESULTS OF SPUTUM EXAMINATION

Negative or no sputum.....	42
Positive.....	75
{ On admission	39
{ During residence	29
{ On discharge	29

SEX, AGE, AND CIVIL CONDITION

[illegible]

OCCUPATIONS

Brick mason.....	1	Janitor.....	1
Chauffeur.....	1	Laborers.....	7
Cleaning and pressing.....	1	Laundry work.....	1
Clerk.....	1	Mechanic.....	1
Cooks.....	7	Painter.....	1
Delivery boy.....	1	Plasterer.....	1
Farming.....	14	Students.....	27
Factory laborer.....	11	Teachers.....	4
Fireman.....	1	Truck drivers.....	2
Housework.....	22	Waiter.....	1

TUBERCULOUS COMPLICATIONS

Adenitis (cervical).....	4	Peritonitis.....	3
Adenitis (tracheobronchial)....	3	Pleurisy with effusion.....	4
Enteritis.....	5	Scrofulous skin lesion.....	1
Laryngitis.....	4		

NON-TUBERCULOUS COMPLICATIONS

Adenitis (inguinal).....	2	Padgett's disease.....	1
Carious teeth.....	10	Pharyngitis (chronic).....	6
Cystocele.....	1	Phimosis.....	2
Diseased tonsils.....	28	Polypoid endometritis.....	1
Endocervicitis.....	2	Pyorrhea.....	18
Eroded cervix (uteri).....	5	Rectocele.....	2
Gingivitis.....	1	Rhinitis (chronic).....	3
Hemorrhoids.....	4	Salpingitis.....	1
Hernia (umbilical).....	1	Sinusitis.....	1
Hookworm.....	2	Urethritis.....	1
Laceration of cervix.....	6	Uterine fibroid.....	1
Lues.....	8	Vaginitis (chronic).....	1
Mitral regurgitation.....	3		

SUMMARY MEDICAL REPORT

Patients admitted:		
Minimal.....	13	
Moderately advanced.....	31	
Far advanced.....	63	
Childhood type.....	1	
Not tuberculous.....	10	
Not classified.....	1	
Extrapulmonary.....	2	
Total.....	121	

Patients discharged:		
Apparently arrested.....	11	
Quiescent.....	5	
Improved.....	33	
Unimproved.....	39	
Died.....	10	
Total.....	98	

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

American Red Cross, Fayetteville.....	6
American Red Cross, Hickory.....	2
Board of County Commissioners, Bladen.....	1
Board of County Commissioners, Currituck.....	2
Board of County Commissioners, Forsyth.....	1
Board of County Commissioners, Gaston.....	9
Board of County Commissioners, Hoke.....	5
Board of County Commissioners, Pasquotank.....	2
Board of County Commissioners, Robeson.....	1
Board of County Commissioners, Rockingham.....	1
Board of County Commissioners, Union.....	4
Charity Organization Society, Goldsboro.....	4
City of Salisbury.....	3
City of Winston-Salem.....	3
Moore County Health and Welfare Association.....	1
Mutual Aid Association, Spray.....	1
Nunn, Griffin & Company, Rocky Mount.....	1
Public Welfare, Durham.....	16
Public Welfare, Lenoir.....	2
Public Welfare, Lillington.....	1
Public Welfare, Morganton.....	1
Public Welfare, Raleigh.....	1
Public Welfare, Reidsville.....	1
Public Welfare, Rockingham.....	4
Public Welfare, Wadesboro.....	7
Public Welfare, Wilson.....	2

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and magazines:

Mrs. John G. Phillips, Sharon, Mass.
 Rev. and Mrs. Drew, Southern Pines, N. C.
 Miss Brown, Boston, Mass.
 Mrs. Moore, Aberdeen, N. C.

Miscellaneous:

Mrs. M. E. Holliday, Statesville, N. C.
 Mr. Thrower, Southern Pines, N. C.
 Mrs. N. Hurd, Southern Pines, N. C.
 Mrs. Cheatham, Southern Pines, N. C.

Cash donations:

Mrs. S. B. Chapin, Pinehurst, N. C.
 Mrs. James Boyd, Southern Pines, N. C.
 Friends from Tryon, through Mrs. Ella M. Love.

PRISON DIVISION

MEDICAL REPORT

1930

Number of patients to be reported on.....	60
Number not classified.....	1
Number not tuberculous	12
Number of patients in Sanatorium July 1, 1930.....	32

Total number of patients treated during the 12 months.....	105
Hospital days	10,833

SUMMARY MEDICAL REPORT

Patients admitted:	
Minimal.....	8
Moderately advanced.....	26
Far advanced.....	15
Not tuberculous.....	12
Not classified.....	4
Extrapulmonary.....	2

Total.....	67
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Patients discharged:	
Apparently arrested.....	4
Quiescent.....	7
Improved.....	23
Unimproved.....	13
Died.....	8

Total.....	60
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AUDIT
of
THE NORTH CAROLINA SANATORIUM
for the Treatment of Tuberculosis
SANATORIUM, N. C.

July 1, 1929, to June 30, 1930

AUDIT JULY 1, 1929, TO JUNE 30, 1930

EXHIBIT B

INCOME AND EXPENSE—PERMANENT IMPROVEMENT FUND July 1, 1929, to June 30, 1930

INCOME:

Unexpended balance, July 1, 1929.....	\$ 8,508.45
Appropriation—Public Laws 1929, Chap. 149.....	61,550.00
Advance—Emergency Loan Fund.....	11,000.00
	<u>\$81,058.45</u>

EXPENSE:

Steam and hot-water lines.....	\$26,999.97
New dam	2,000.00
Payment of advance Emergency Loan Fund.....	8,585.28
	<u>37,585.25</u>

Unexpended balance, June 30, 1930.....	\$ 43,473.20
	<u><u>\$ 43,473.20</u></u>

PROOF:

Balance 1927 appropriation account, records State Auditor.....	\$ 7,005.08
Balance 1927 allotment account, records State Auditor.....	1,503.37
Balance 1929 appropriation account, records State Auditor.....	34,964.75
	<u>\$ 43,473.20</u>

EXHIBIT D

INCOME AND EXPENSE—EXTENSION FUND July 1, 1929, to June 30, 1930

INCOME:

Appropriation, Chapter 280, Public Laws 1929.....	\$ 30,000.00
Institutional Receipts:	
Sanatorium Sun	\$887.14
Refunds	25.00
	<u>912.14</u>

Total income	\$ 30,912.14
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EXPENSE:

Salaries and wages	\$15,453.35
Supplies and materials	1,498.36
Postage	909.44
Travel expense	3,864.09
Printing and binding.....	2,388.60
Equipment	126.56
	<u>24,240.40</u>

Cash balance, June 30, 1930, excess income over expense.....	\$ 6,671.74
	<u><u>\$ 6,671.74</u></u>

EXHIBIT F

INCOME AND EXPENSE—MAINTENANCE FUND July 1, 1929, to June 30, 1930

INCOME:

Appropriation, Chapter 280, Public Laws 1929.....	\$155,500.00
Allotment deposit from previous year.....	5,092.00

INSTITUTIONAL RECEIPTS:

Administration	\$ 14,934.04
Professional care and treatment.....	6,987.76
Custodial care	131,599.58
Agriculture	722.21
	<u>\$154,243.59</u>

Total gross institutional receipts.....	\$154,243.59
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LESS:

Refunds of expense	\$ 14,934.04
Refunds of receipts.....	2,275.30
	<u>\$ 17,209.39</u>

Total net institutional receipts.....\$137,034.20

Total income\$297,626.20

EXPENSE:

Office and administration	\$ 9,051.63
Professional care and treatment.....	43,069.00
Custodial care	115,057.78
Operation of plant.....	32,918.62
Maintenance of plant.....	18,904.17
Agriculture	48,842.22
Additions and betterments.....	6,650.99
	<u>274,494.41</u>

Excess income over expense, as per State Auditor's records.....\$ 23,131.79

SCHEDULE G-1

ANALYSIS OF DISBURSEMENTS—MAINTENANCE FUND

July 1, 1929, to June 30, 1930

OFFICE AND ADMINISTRATION:

Board of Directors—

101 Attending meetings	\$ 458.36
102 Other expense	30.00
	<u>\$ 488.36</u>

Superintendent and Business:

103 Salary of superintendent.....	\$ 2,000.00
104 Salaries and wages.....	3,506.85
105 Supplies and materials	399.29
106 Postage	657.58
107 Travel expense	26.53
108 Printing	706.13
109 Motor operation	882.26
110 Repairs	20.60
111 General expense	20.95
112 Equipment	343.08
Refunds of receipts	2,275.35
Refunds of expense.....	3,059.32
	<u>13,897.94</u>

\$ 14,386.30

PROFESSIONAL CARE AND TREATMENT:

Medical and Surgical—

201 Salaries and wages	\$14,390.05
202 Supplies and materials.....	10,492.72
203 Equipment	2,482.19
Refunds of expense	1,620.95
	<u>\$28,985.91</u>

Nursing and Attendance—

204 Salaries and wages.....	\$14,164.28
Refunds of expense	176.12
	<u>14,340.40</u>

Instructional (School)—

205 Salaries and wages.....	\$1,118.00
206 Supplies and materials	135.48
207 Equipment	286.28
	<u>1,539.76</u>

44,866.07

CUSTODIAL CARE:

Subsistence—

301 Salaries and wages	\$15,070.81
302 Food and provisions.....	70,804.38
303 Repairs	87.79
304 Equipment	3,828.92
	<hr/> \$94,268.05

Housekeeping—

305 Salaries and wages.....	\$10,200.00
306 Supplies and materials	5,799.35
307 Repairs	109.65
308 Equipment	2,804.36
Refunds of expense	1,339.35
	<hr/> 20,252.71

Wearing Apparel (Ready-Made)—

309 Wearing apparel	\$ 1,130.96
Refunds of expense.....	342.70
	<hr/> 1,473.66

Laundering—

310 Salaries and wages.....	\$ 3,942.90
311 Supplies and materials	705.16
312 Repairs	74.85
313 Equipment	23.86
	<hr/> 4,746.77

Recreational and Entertainment—

314 Salaries and wages	\$ 89.00
315 Supplies and materials	499.46
316 Repairs	89.86
317 Equipment	149.24
Refunds of expense.....	17.37
	<hr/> 844.93

\$121,586.12

OPERATION OF PLANT:

401 Salaries and wages	\$ 7,176.60
402 Coal	13,719.09
403 Supplies and materials	795.84
404 Filter plant supplies	390.89
405 Motor operation	1,500.48
406 Equipment	422.12
407 Light	8,913.60
Refunds of expense.....	1,307.16
	<hr/> \$34,225.78

34,225.78

MAINTENANCE OF PLANT:

Care Buildings and Grounds—

501 Salaries and wages.....	\$ 5,851.62
502 Supplies and materials.....	5,201.59
503 Equipment	181.25
504 Repairs and alterations	5,211.54
Refunds of expense	2,225.50
	<hr/> \$18,671.50

Current Obligations—

505 Insurance	2,458.17
	<hr/> 21,129.67

AGRICULTURE:

Farm, Dairy, and Poultry—

601 Salaries and wages	\$16,156.61	
602 Supplies and materials	17,255.09	
603 Repairs	397.48	
604 Equipment	1,695.80	
605 Motor operations	1,554.18	
606 Ayrshire cows	11,783.06	
Refund of expense	16.65	
	<u>\$48,858.87</u>	
		<u>\$ 48,858.87</u>

ADDITIONS AND BETTERMENTS:

704 Garage	\$ 602.48	
707 Carpenter shop	593.82	
709 Specific projects	362.69	
710 Wiring	5,092.00	
	<u>\$ 6,650.99</u>	
		<u>6,650.99</u>

Total disbursements\$291,703.80

SCHEDULE G-2

INSTITUTIONAL RECEIPTS—MAINTENANCE FUND

July 1, 1929, to June 30, 1930

Office and administration	\$ 14,934.04
Professional care and treatment	6,987.76
Custodial care	131,599.58
Agriculture	722.21

Institutional receipts as per State Auditor's records.....\$154,243.59

SCHEDULE G-5

PER CAPITA COST—MAINTENANCE FUND

Year Ended June 30, 1930

(Average Number of Patients, 386½)

	EXPENDITURES	PER CAPITA COST	
		For Period	Per Day
Office and administration.....	\$ 9,051.63	\$ 23.42	\$.0642
Medical and surgical.....	27,364.96	70.81	.1940
Nursing and attendance.....	14,164.28	36.65	.1004
Instructional.....	1,539.76	3.98	.0109
Subsistence.....	89,491.57	231.54	.6344
Housekeeping.....	18,913.36	48.93	.1341
Wearing apparel.....	1,078.52	2.79	.0076
Laundry.....	4,746.77	12.28	.0336
Recreational.....	827.56	2.14	.0059
Operation of plant.....	32,918.62	85.17	.2333
Care of buildings and grounds.....	18,904.17	48.91	.1340
Agriculture.....	48,842.22	126.37	.3462
Additions and betterments.....	6,650.99	17.21	.0472
Totals.....	\$274,494.41	\$710.20	\$1.9458

EXHIBIT J

FARM AND DAIRY

July 1, 1929, to June 30, 1930

Farm products consumed as food.....	\$ 42,034.97
Farm products consumed on farm.....	11,090.80
Farm products consumed otherwise.....	5,452.91
	<hr/>
Total farm and dairy.....	\$ 58,578.68
Less Cost of Operation—	
Maintenance	\$48,858.87
Farm products consumed on farm.....	11,090.80
	<hr/>
	59,949.67
	<hr/>
Nominal loss on operations.....	\$ 1,370.99
	<hr/> <hr/>

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